

## Things to Know, Understand and Do For Chapter 22: Organic Molecules

*By the end of Chapter 22, you should*

1) Understand the difference between isomers and resonance structures.
2) Differentiate between structural and geometric isomers AND when either might be possible for a given formula.
3) Draw structural and geometric isomers for a given formula, when possible.
4) Draw structural formulas, Lewis structures and name simple hydrocarbons, including alkanes, alkenes and alkynes.
5) Name and draw structures of alcohols, ethers and amines.
6) Name and draw structures of compounds that contain carbonyls: aldehydes, ketones, acids, and esters.
7) REACTIONS: know common reactions of organic functional groups, including the following TYPES of reactions: Substitution, Addition, Elimination, Substitution, Ester formation

**Note: We are only going to cover sections 22.1-22.4, pages 997-1016.**

### **Chapter Homework**

p 1044 Q 4 a-d  
p 1045 Q 13, 14, 21, 25  
p 1046 Q 32, 34, 43  
p 1047 Q 47  
p 1048 Q 52, 55, 61  
p 1049 Q 67

### **Student Presentations**

p 1045 Q 26  
p 1046 Q 27

p 1046 Q 37, 3

p 1048 Q 62